

**LODI CITY COUNCIL
SHIRTSLEEVE SESSION
CARNEGIE FORUM, 305 WEST PINE STREET
TUESDAY, SEPTEMBER 1, 2009**

A. Roll Call by City Clerk

An Informal Informational Meeting ("Shirtsleeve" Session) of the Lodi City Council was held Tuesday, September 1, 2009, commencing at 7:03 a.m.

Present: Council Member Hitchcock, Council Member Mounce, and Mayor Hansen

Absent: Council Member Johnson, and Mayor Pro Tempore Katzakian

Also Present: City Manager King, City Attorney Schwabauer, and City Clerk Johl

B. Topic(s)

B-1 Presentation of City of Lodi's Sewer System Management Plan (PW)

City Manager King provided a brief introduction regarding the subject matter of the Sanitary Sewer Management Plan (SSMP).

Water Services Manager Charlie Swimley provided a PowerPoint presentation regarding the SSMP. Specific topics of discussion included the presentation overview, Waste Discharge Requirements (WDR) Order 2006-003, what is a SSMP, SSMP objectives, elements of the SSMP, system overview, and various pictures depicting wastewater collection system, Washington Street pipeline, Washington Street pipe profile, final destination, maintenance crews at work, sanitary sewer overflow (SSO), what is an SSO, examples of SSOs, SSO categories, reporting requirements, SSO tracking, reporting requirements for private spills, City's response to the WDR, operations enhancements, and proposed staffing additions.

In response to Council Member Mounce, Mr. Swimley stated the cost for the consultant's work on the plan totaled approximately \$35,000 at the end of the day.

In response to Myrna Wetzel, Mr. Swimley stated the State did not provide any funding for the implementation of the plan, although the State did do an analysis, which concluded it will cost customers approximately \$6 per month.

In response to Council Member Hitchcock, Mr. Swimley stated the \$6 figure is probably close to what it is going to cost but staff is continuing to work on the internal cost analysis.

In response to Council Member Mounce, Mr. Swimley stated staff will forward to the Council the website contact information illustrating the local spills in the area and specifics of the plan.

In response to Council Member Hitchcock, Mr. Swimley stated that, with respect to comparing with other cities in maintaining the system, some cities are doing some improvements and there are different measures of performance set by the State itself for various agencies. Mr. Swimley stated it is his understanding that the City is doing well in maintaining the system. He stated the State does not necessarily have zero tolerance for SSOs as they recognize there will be some spills.

In response to Council Member Mounce, Mr. Swimley stated that, if there were a major error during the audit process that required the City to alter the course of implementation, it would be brought back to Council sooner than the five-year period.

In response to Mayor Hansen, Mr. Swimley stated the 8.2 square miles of service number may be an error and closer to the 12 square mile figure. Mr. Swimley stated staff will research the service area and get back to Council with the correct figure.

In response to Council Member Hitchcock, Mr. Swimley stated the terms sewer system and wastewater system are used interchangeably.

In response to Council Member Hitchcock, Mr. Swimley stated the model shown for Washington Street was arrived at using the electronic hydraulic plotting ability for various sewer lines. Mr. Swimley briefly reviewed the process associated with calibrating the model with flow generation factors and utilization of the model itself.

In response to Jeffrey Kirst, Mr. Swimley and Mr. Schwabauer stated water sometimes gets into the sewer system through roof drains, water backing-up in drainage systems, and there are some properties illegally hooked for storm water discharge. Mr. King stated infiltration of the two systems is an ongoing challenge for the City for capacity and treatment purposes.

In response to Mayor Hansen, Mr. Swimley stated that, with respect to public outreach and education, staff does not target a particular area, although the model system is broken up into smaller collection systems and staff can focus on the population within a problematic sub-basin.

In response to Council Member Mounce, Mr. Swimley stated staff can look into a joint public outreach effort with Code Enforcement in the Heritage area.

In response to Mayor Hansen, Mr. Swimley stated the SSO is no longer measured by the gallon or any other measurement factor, as it now refers to any amount of overflow.

In response to Council Member Hitchcock, Mr. Swimley stated there are inspections every two weeks for pumping systems and back-up alarms to notify staff of a system failure.

In response to Myrna Wetzel, Mr. Swimley stated a very bad situation would have to occur for HazMat to respond and an example would be a larger tanker spill.

In response to Council Member Hitchcock, Mr. Swimley stated the City has not been fined for a private spill and he does not anticipate that will happen as private owners would be responsible for a private spill. Mr. King stated if there is a safety hazard the City could address the problem and bill the property owner if necessary.

In response to Mayor Hansen, Mr. Swimley stated there are currently two environmental compliance inspectors. Mr. Swimley stated there are approximately a dozen people that work on the wastewater type of work.

In response to Council Member Hitchcock and Mayor Hansen, Mr. Swimley stated additional staffing will help significantly reduce and oversee spills throughout the community, although it is impossible to eliminate spills in their entirety.

In response to Council Member Hitchcock, Mr. Swimley stated currently there are approximately 160 grease traps in the City and there are additional sand and grease traps for parking lots.

In response to Council Member Mounce, Mr. Swimley stated the additional environmental compliance inspector would be monitoring grease traps and additional storm water monitoring requirements as well as perform other related tasks.

In response to Council Member Hitchcock and Council Member Mounce, Mr. King stated a

management analyst is somewhat generic and the idea is that there is a skill set that may be interchangeable. Mr. King provided a brief overview of the management analyst position, which is a professional position requiring a college degree, and stated there are fewer management analysts now than in 2005. Mr. King stated staff can bring back additional information regarding the same.

C. Comments by Public on Non-Agenda Items

None.

D. Adjournment

No action was taken by the City Council. The meeting was adjourned at 8:23 a.m.

ATTEST:

Randi Johl
City Clerk



CITY OF LODI COUNCIL COMMUNICATION

AGENDA TITLE: Presentation of City of Lodi's Sewer System Management Plan (SSMP)

MEETING DATE: September 1, 2009 (Shirtsleeve Session)

PREPARED BY: Public Works Director

RECOMMENDED ACTION: Receive presentation of the City of Lodi's Sewer System Management Plan (SSMP).

BACKGROUND INFORMATION: The State Water Resources Control Board adopted on May 2, 2006, the Statewide General Waste Discharge Requirements (GWDR) as required by Order No, 2006-0003 that requires that all public collection systems composed of more than one mile of pipeline be regulated. The Order requires that each operator of a publicly-owned collection system develop and implement a system-specific Sewer System Management Plan (SSMP). The SSMP contains 11 different elements. The presentation will describe each element and compliance requirements of each.

FISCAL IMPACT: The SSMP, as implemented over time, will continually identify operational and capital needs to minimize sanitary sewer overflows.

FUNDING AVAILABLE: Added costs for compliance will be incorporated via mid-year budget adjustments and future budgets, as appropriate.


F. Wally Sandelin
Public Works Director

Prepared by F. Wally Sandelin

FWS/pmf

cc: Charles E. Swimiey, Water Services Manager

APPROVED:


Blair King, City Manager

The City of Lodi
**Public Works
Water Services**



Sanitary Sewer Management Plan (SSMP)

September 1, 2009 Shirtsleeve



Presentation Overview

- WDR - Order 2006-003
- What is a SSMP?
- Lodi's Wastewater Collection System and its Maintenance
- Sanitary Sewer Overflows (SSO's)
- Lodi's Response to the WDR
- Proposed Staffing Additions.



WDR Order 2006-003

- Enhance Protection for public health and recreational waters
- More rigorous sanitary sewer overflow reporting
- Sanitary Sewer Management Plan (SSMP)
- Compliance schedules
- Inform, Educate and Communicate



SSMP Objectives

- Minimize Number of SSO's
- Compliance with Reporting Objectives
- Funding and Management of Sewer Systems
- Public Transparency



Elements of SSMP

1. Collection System Management Goals
2. Organization of Personnel
3. Legal Authority for Permitting Flows to the System
4. Operations and Maintenance Activities
5. Design and Performance Provisions
6. Overflow Emergency Response Plan
7. Fats Oils and Grease Program
8. System Capacity Assurance
9. System Monitoring and Measurement Plan
10. Internal SSMP Audits
11. Public Communications Program



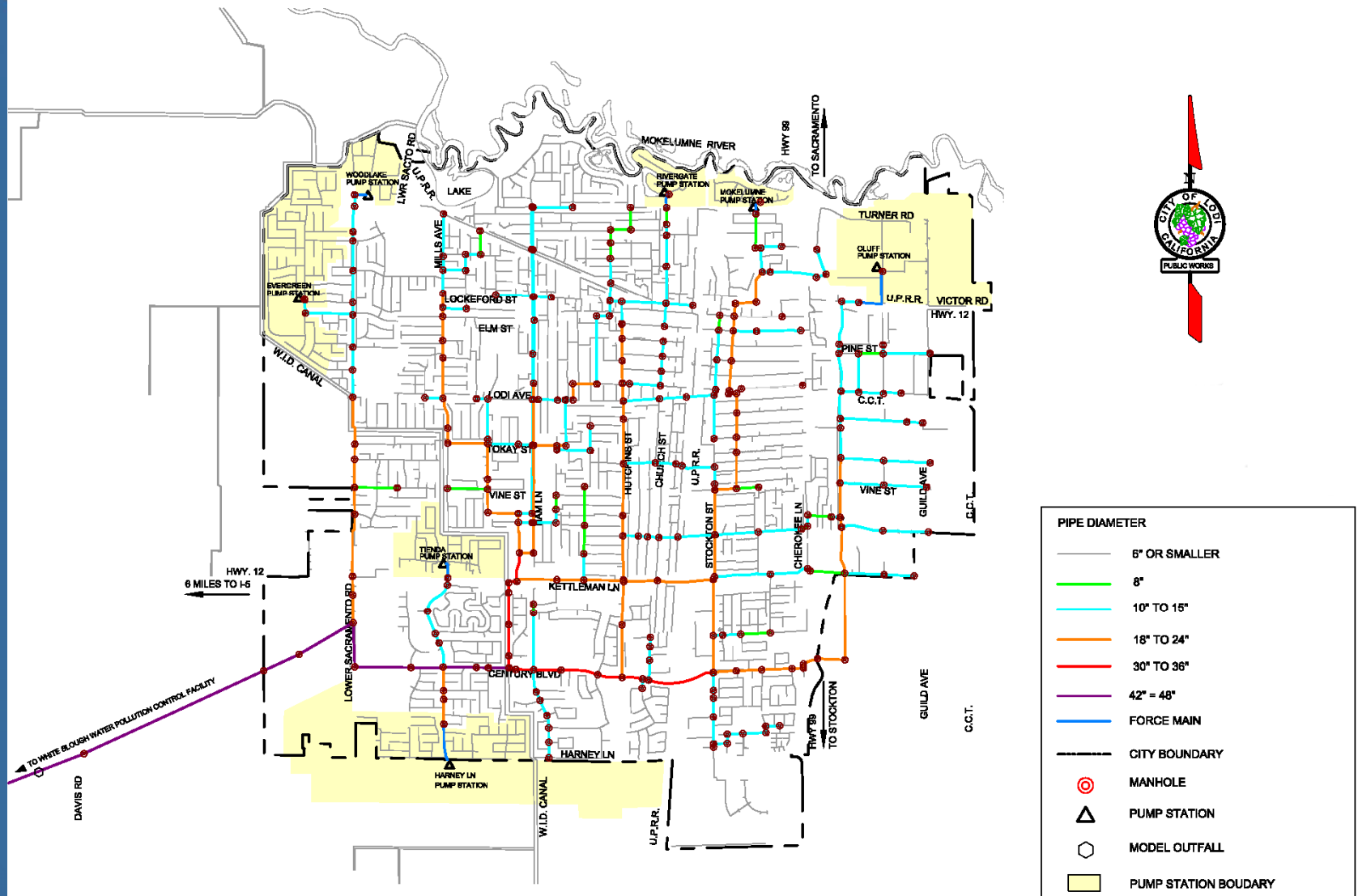
Lodi's Wastewater Collection System

And its Maintenance



System Overview

- 8.2 square miles of service area
- 187 miles of pipes
- Diameters range between 6" to 48" inches
- Seven Wastewater Pump Stations
- 5.5 Mile Sewer Outfall





Final Destination...





Maintenance Crews At Work





Before and After





Sanitary Sewer Overflow

“SSO”



What is an SSO?

- Sanitary Sewer Overflow (SSO) – “Any overflow, spill, release, discharge or diversion of untreated or partially treated wastewater from a sanitary sewer system.”



Examples of SSO's





Storm Drains Tributary to River

- Insert Map of Outfalls



SSO Categories

- Category 1
 - Exceed 1000 Gallons
 - Reach a drainage channel and/or surface water
 - Discharge to a storm drainpipe that was not fully captured and returned to the sanitary sewer system
- Category 2
 - All other City Sewer Discharges
- Private
 - Discharges caused by blockages in private laterals



Reporting Requirements Category 2

- Estimated Spill Volume
- Manhole ID and Locations (GPS Coordinates)
- Estimated Spill Start Time
- Crew Arrival Times
- Spill Stop Time
- Record on State Database



Reporting Requirements Category 1

- All of the reporting requirements of the Category 2 plus:
- Notifications to Regional Water Board, County Public Health, and Office of Emergency Services
- Water quality samples



Reporting Requirements Private Spills

- All Category 2 Spill Information
- Responsible Party Contact Information
- Recorded in Local Data Base Only



Lodi's Response to the WDR



Lodi's Response to the WDR

- Online reporting
- Plug and spill tracking using GIS
- Sanitary Sewer Management Plan (SSMP)
- Modified Operations
- Propose Staffing Additions



Operations Enhancements

- Spill Avoidance
 - Modified duty of Sewer Vacuum Truck
 - Computerized Maintenance Management System (CMMS)
 - Refined “2 month cleaning list”
 - Increased Training
- Spill Containment
 - First Responder Truck
 - Potential Spill Response Protocol



Proposed Staffing Additions

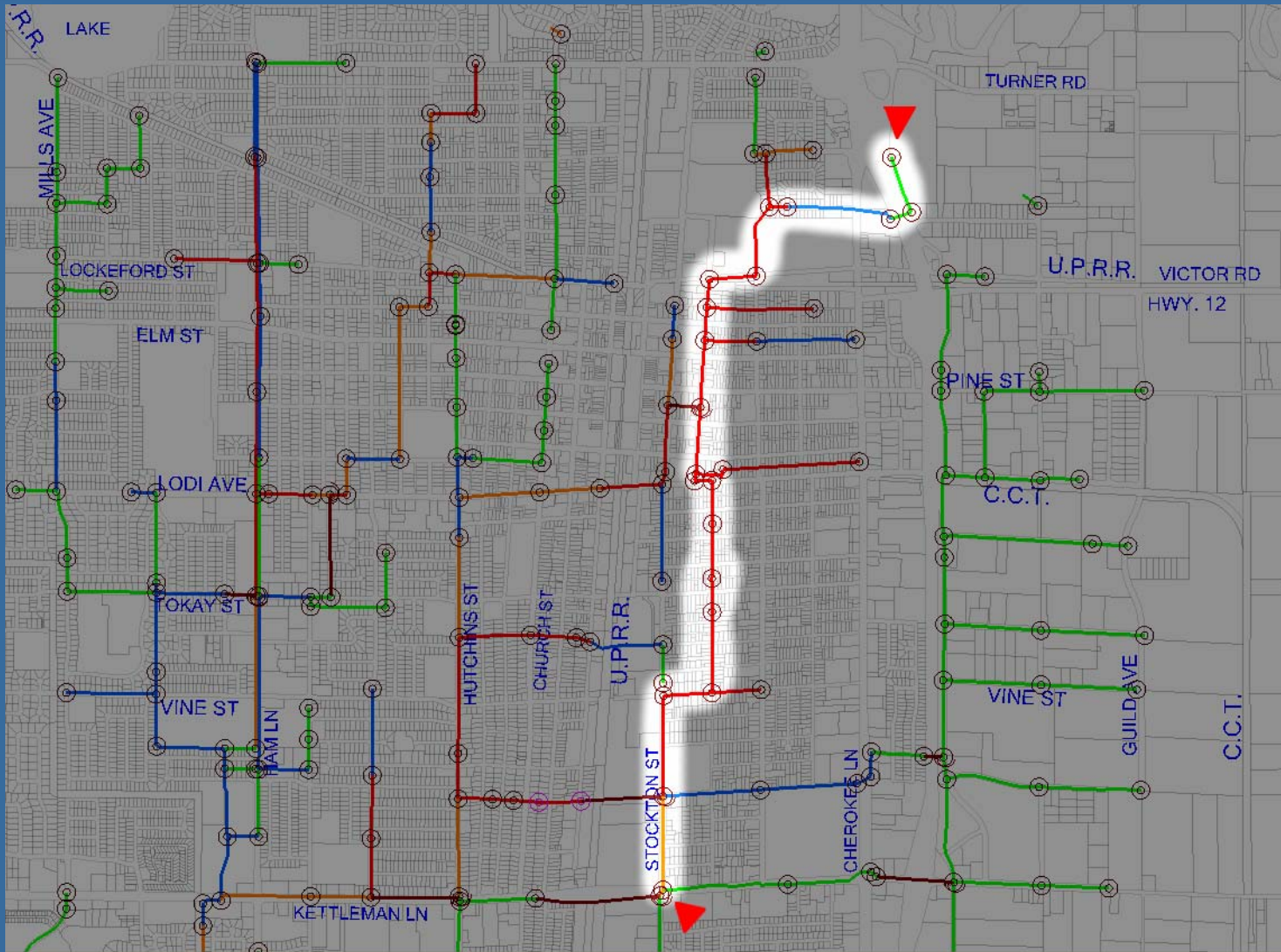
- Environmental Compliance Inspector
 - Enhance FOG Program
 - Support Additional Monitoring Requirements
 - Augment City's Pre-Treatment Program
- Plant Equipment Mechanic (White Slough)
 - Service and Repair Recent Facility Upgrades
- Management Analyst
 - Monitor and maintain financial models
 - Track budget performance
 - Oversee Public Outreach Program



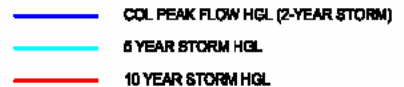
Questions?



Washington Street Pipe Line



A 3D illustration of a city scene inside a wooden bowl. The city includes a yellow building, a red building, a green hill with a winding road, and a white building. A large white letter 'W' is overlaid on the scene, and the word 'Was' is written in white text across the middle of the image. The bowl has three small blue streams of water flowing out from its sides.



10 YEAR STORM HGL